Supplementary Material

Synthesis of a β-isoindigo-linked 1*H*-3-benzazepine-modified aza-boron dipyrromethene dimer

Linpeng Zhu and Dennis K. P. Ng*

Department of Chemistry, The Chinese University of Hong Kong, Shatin, N.T., Hong Kong, China

Email: dkpn@cuhk.edu.hk

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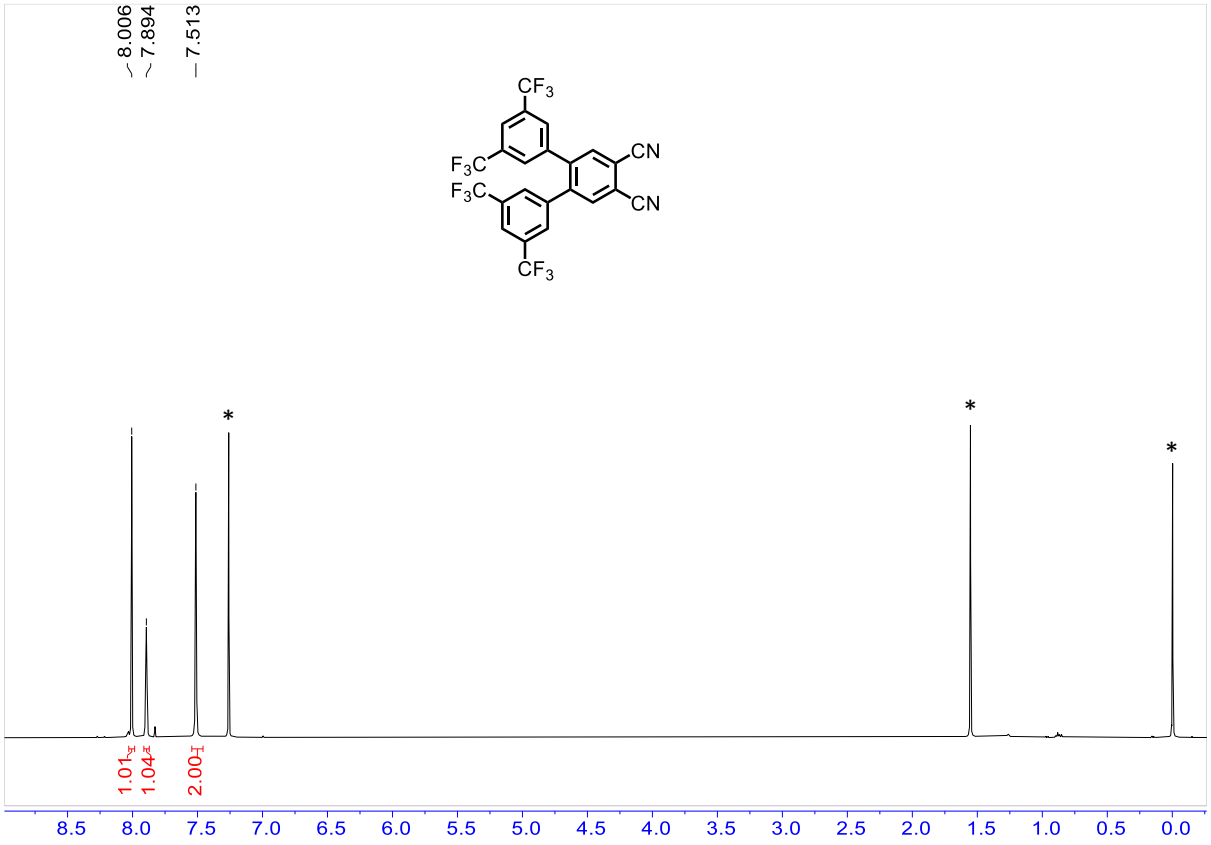

Figure S1. ^{1}H NMR spectrum of **3** in $CDCl_3$ (400 MHz). The signals due to the residual non-deuterated solvent, residual water, and $SiMe_4$ are marked with an asterisk.

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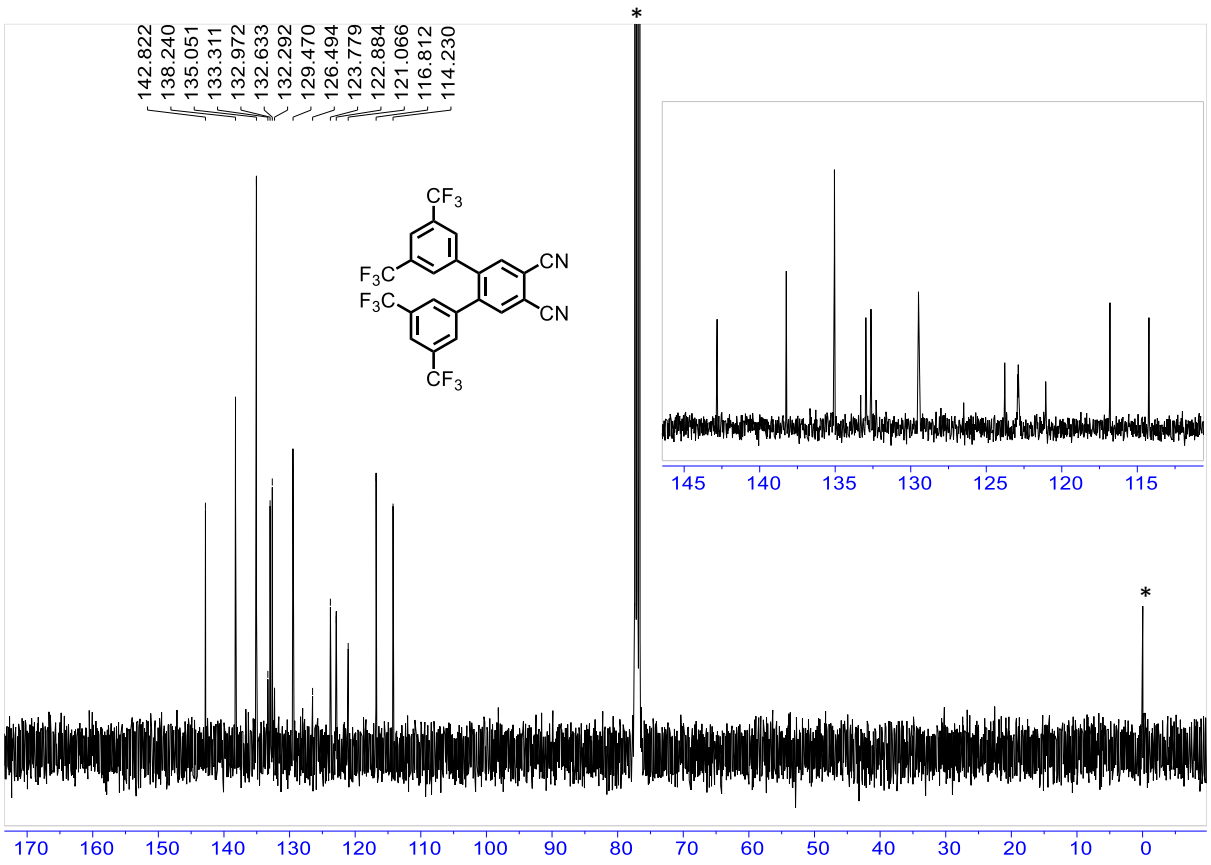

Figure S2. $^{13}C\{^{1}H\}$ NMR spectrum of **3** in $CDCl_3$ (100.6 MHz). The signals due to the solvent and $SiMe_4$ are marked with an asterisk.

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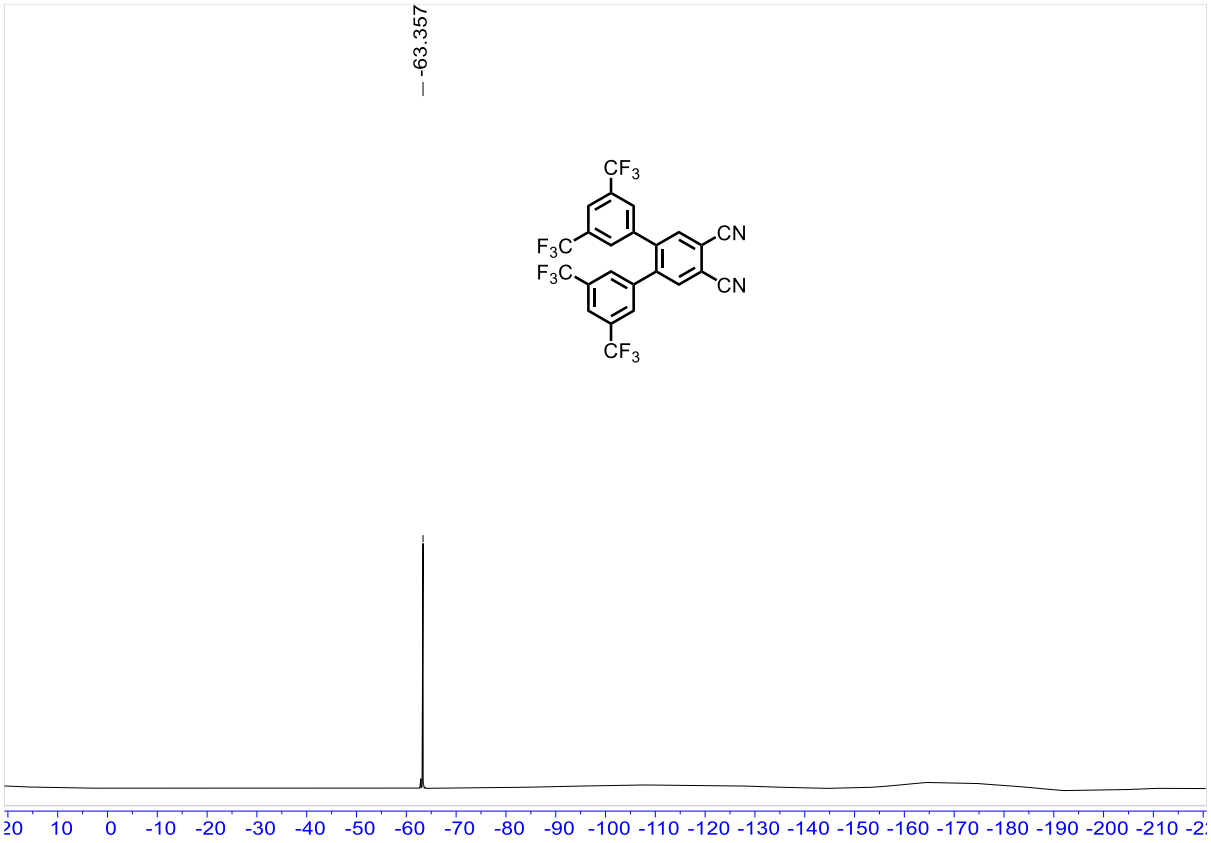

Figure S3. $^{19}F\{^{1}H\}$ NMR spectrum of **3** in $CDCl_3$ (470.4 MHz).

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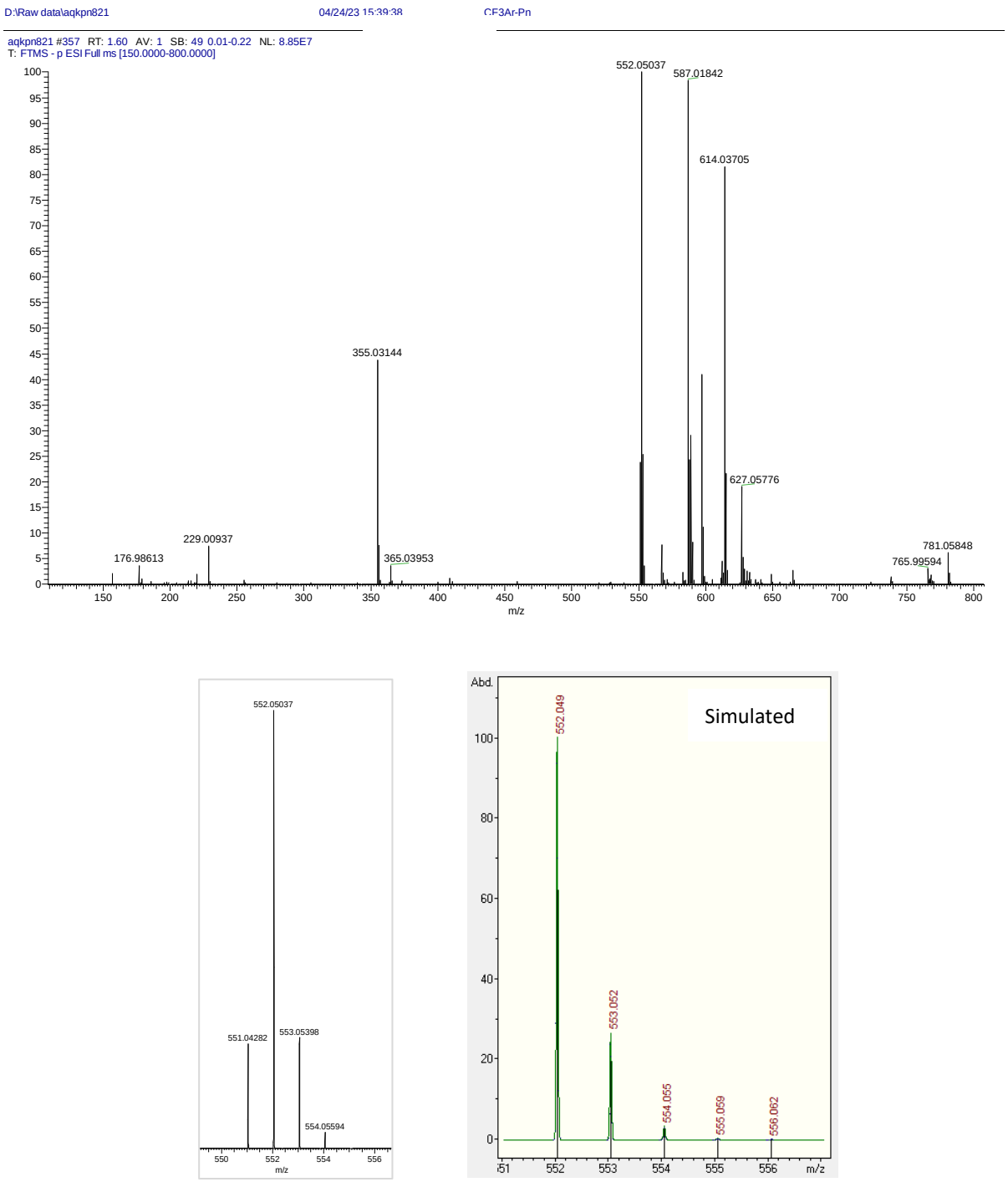

Figure S4. ESI mass spectrum of **3**. The experimental and simulated isotopic pattens of the molecule ion signal are given in the lower part.

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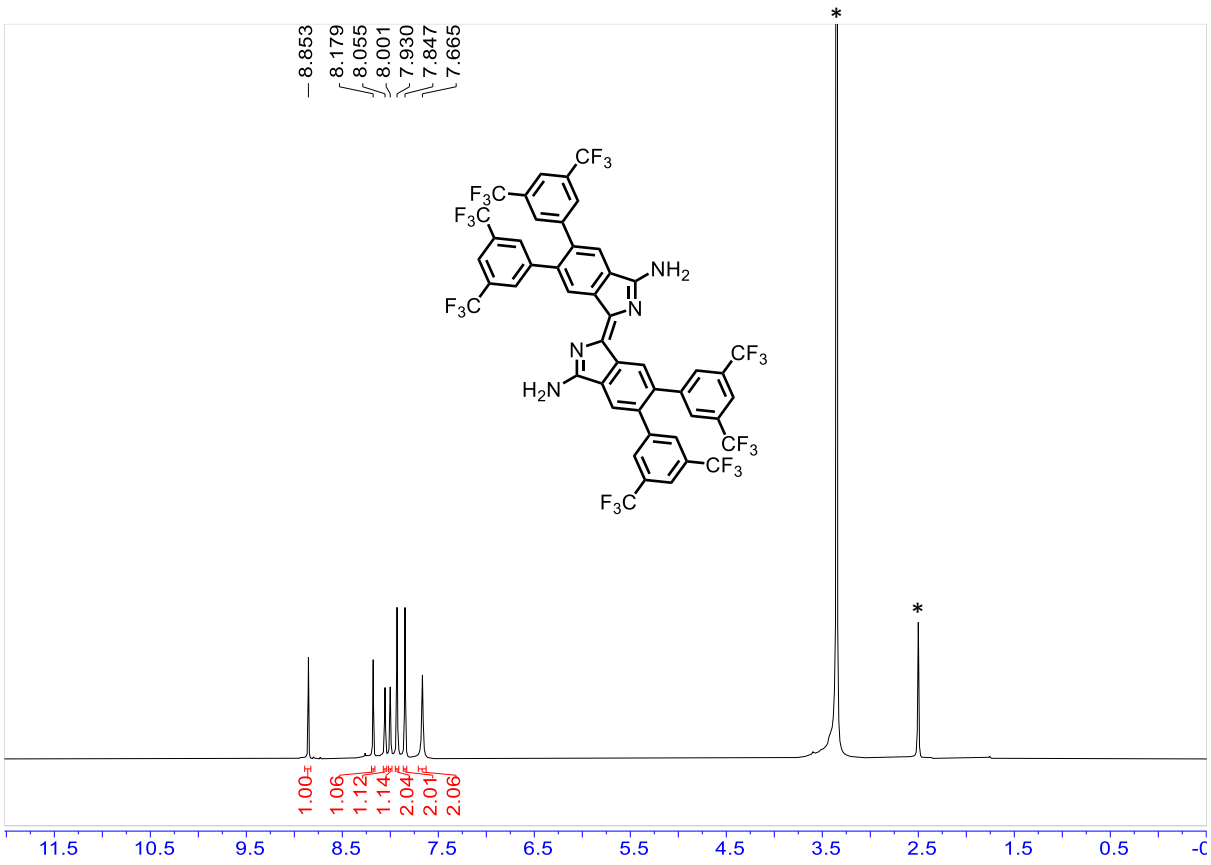

Figure S5. ^{1}H NMR spectrum of **4** in DMSO-d_6 (500 MHz). The signals due to the residual non-deuterated solvent and residual water are marked with an asterisk.

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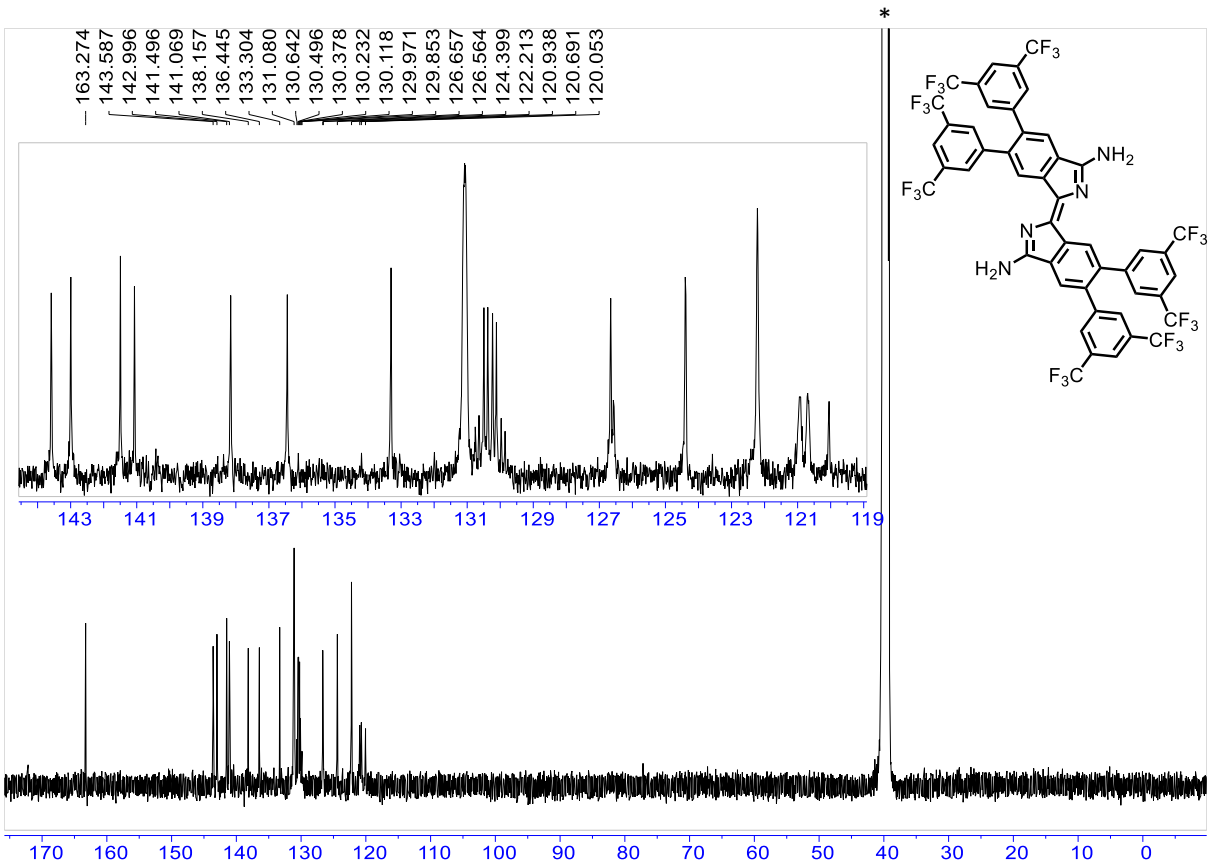

Figure S6. $^{13}C\{^{1}H\}$ NMR spectrum of **4** in DMSO-d_6 (125.8 MHz). The signal due to the solvent is marked with an asterisk.

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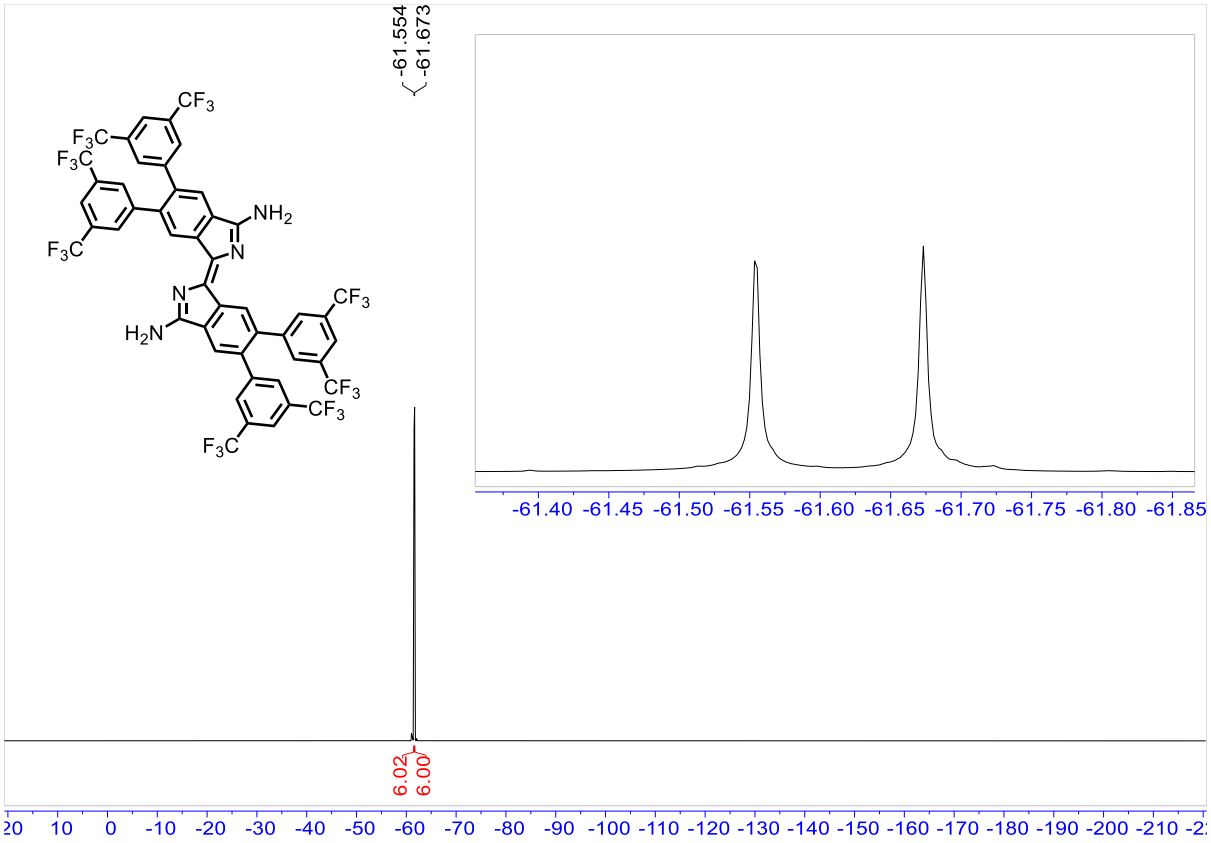

Figure S7. $^{19}F\{^{1}H\}$ NMR spectrum of **4** in DMSO-d_6 (470.4 MHz).

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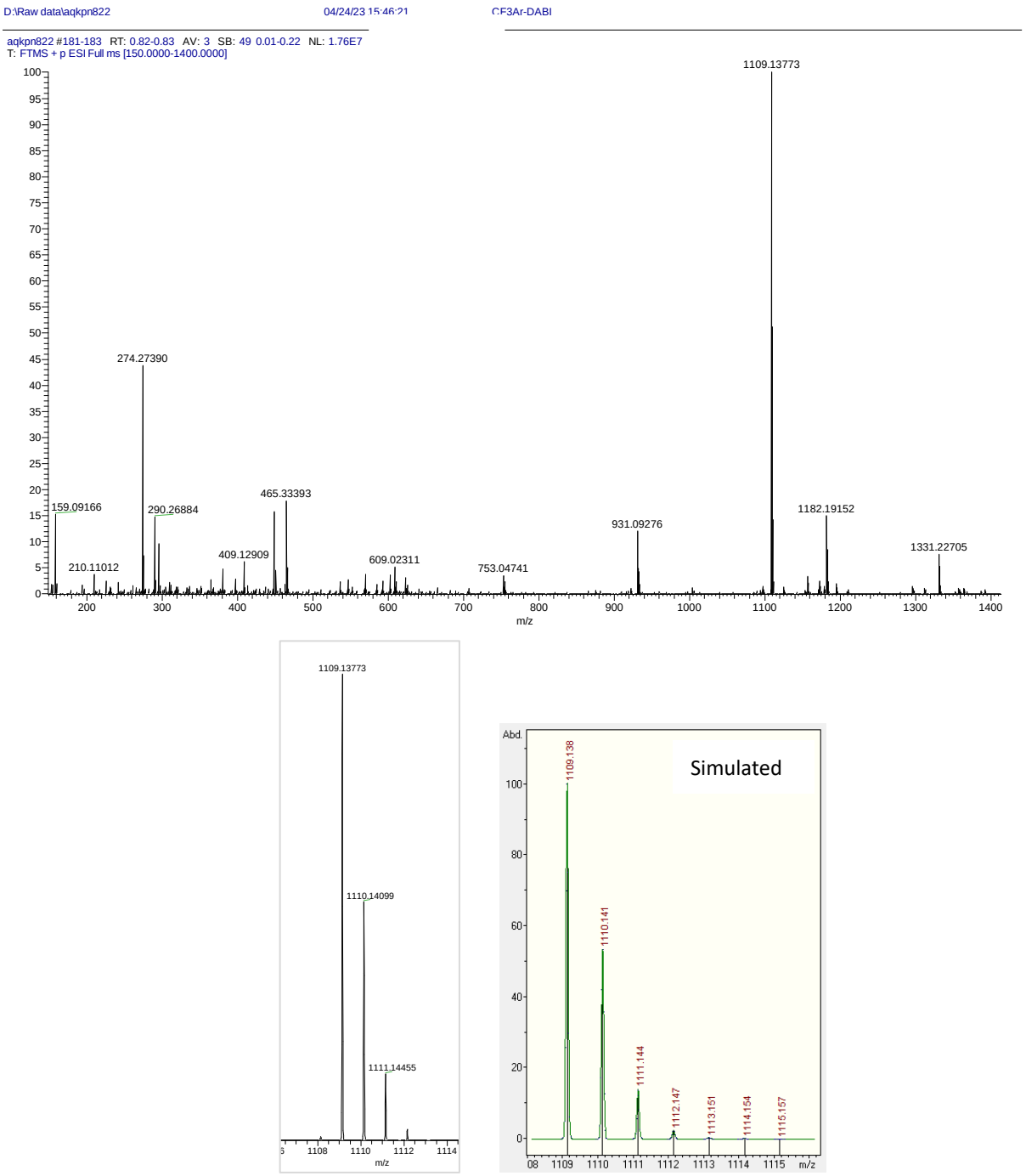

Figure S8. ESI mass spectrum of **4**. The experimental and simulated isotopic pattens of the molecule ion signal are given in the lower part.

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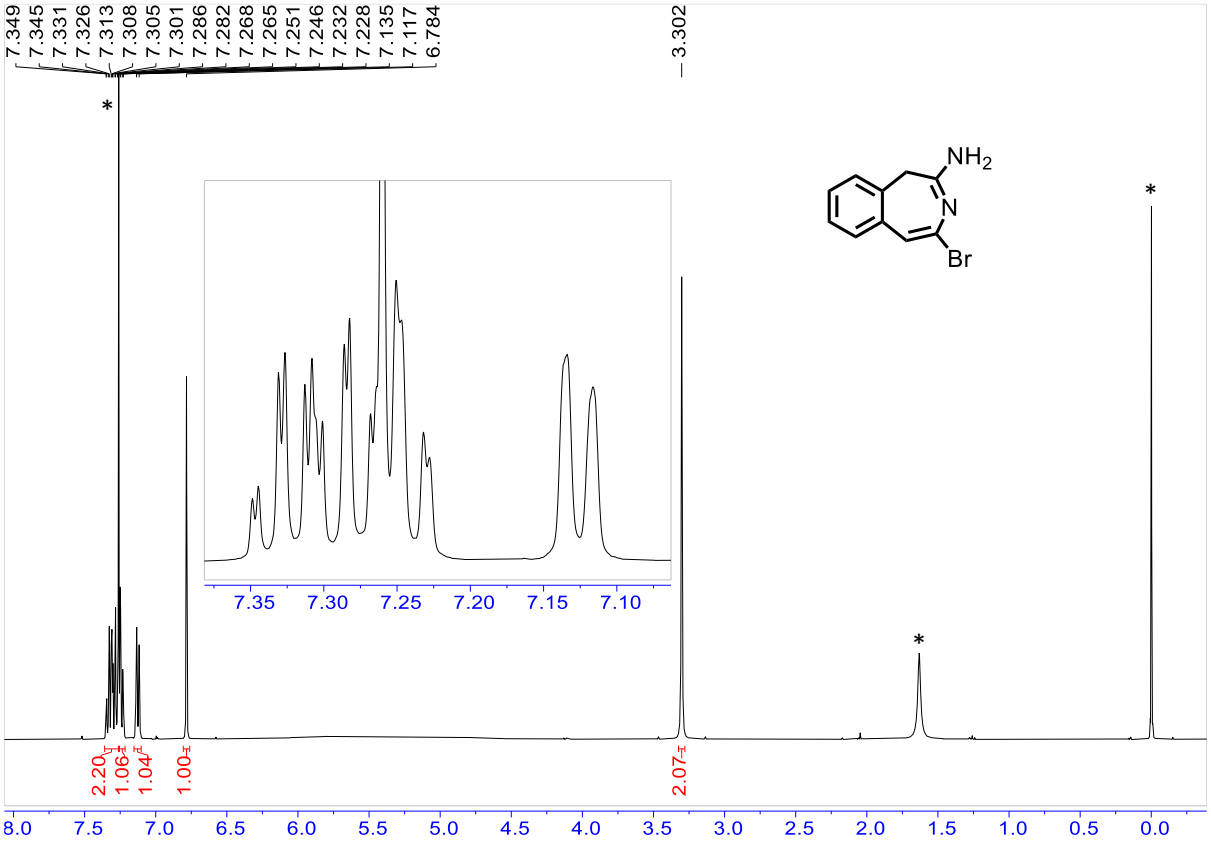

Figure S9. ^{1}H NMR spectrum of **7** in $CDCl_3$ (400 MHz). The signals due to the residual non-deuterated solvent, residual water, and $SiMe_4$ are marked with an asterisk.

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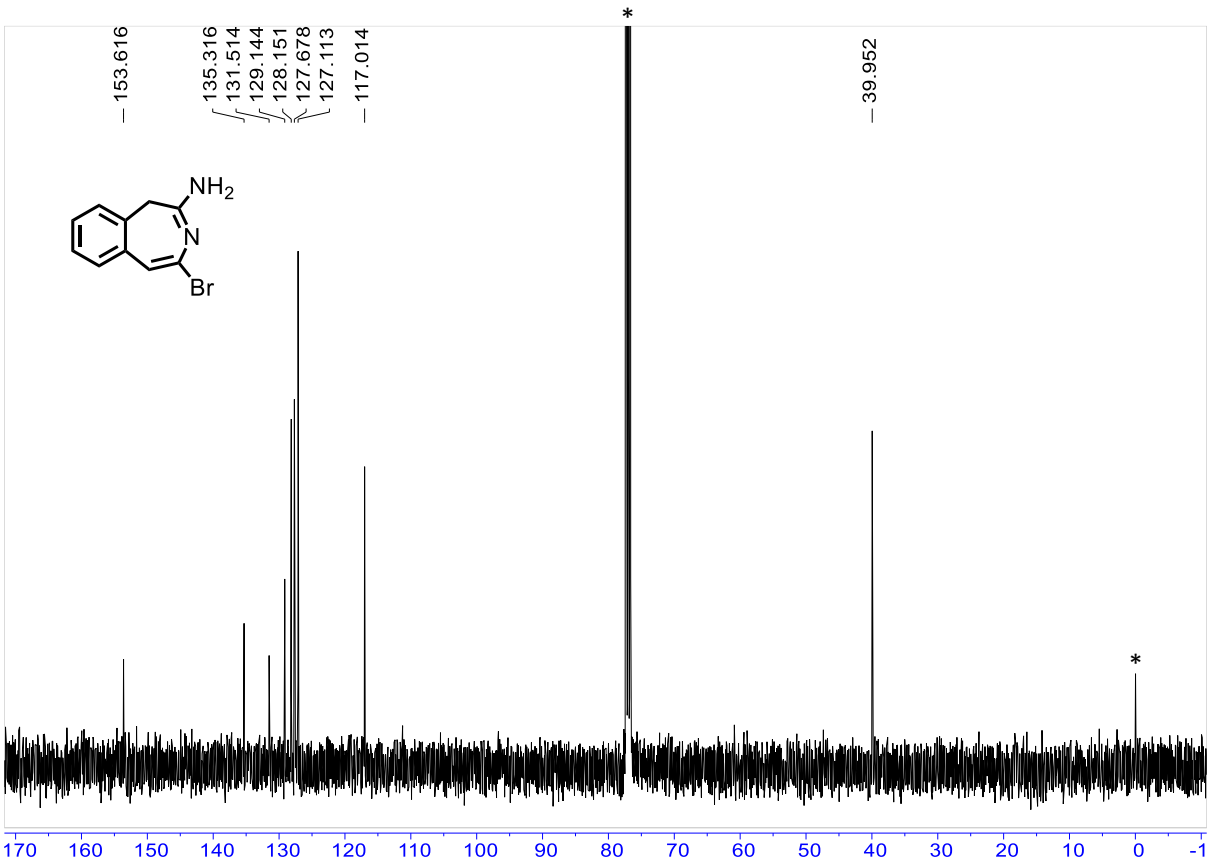

Figure S10. $^{13}C\{^{1}H\}$ NMR spectrum of **7** in $CDCl_3$ (100.6 MHz). The signals due to the solvent and $SiMe_4$ are marked with an asterisk.

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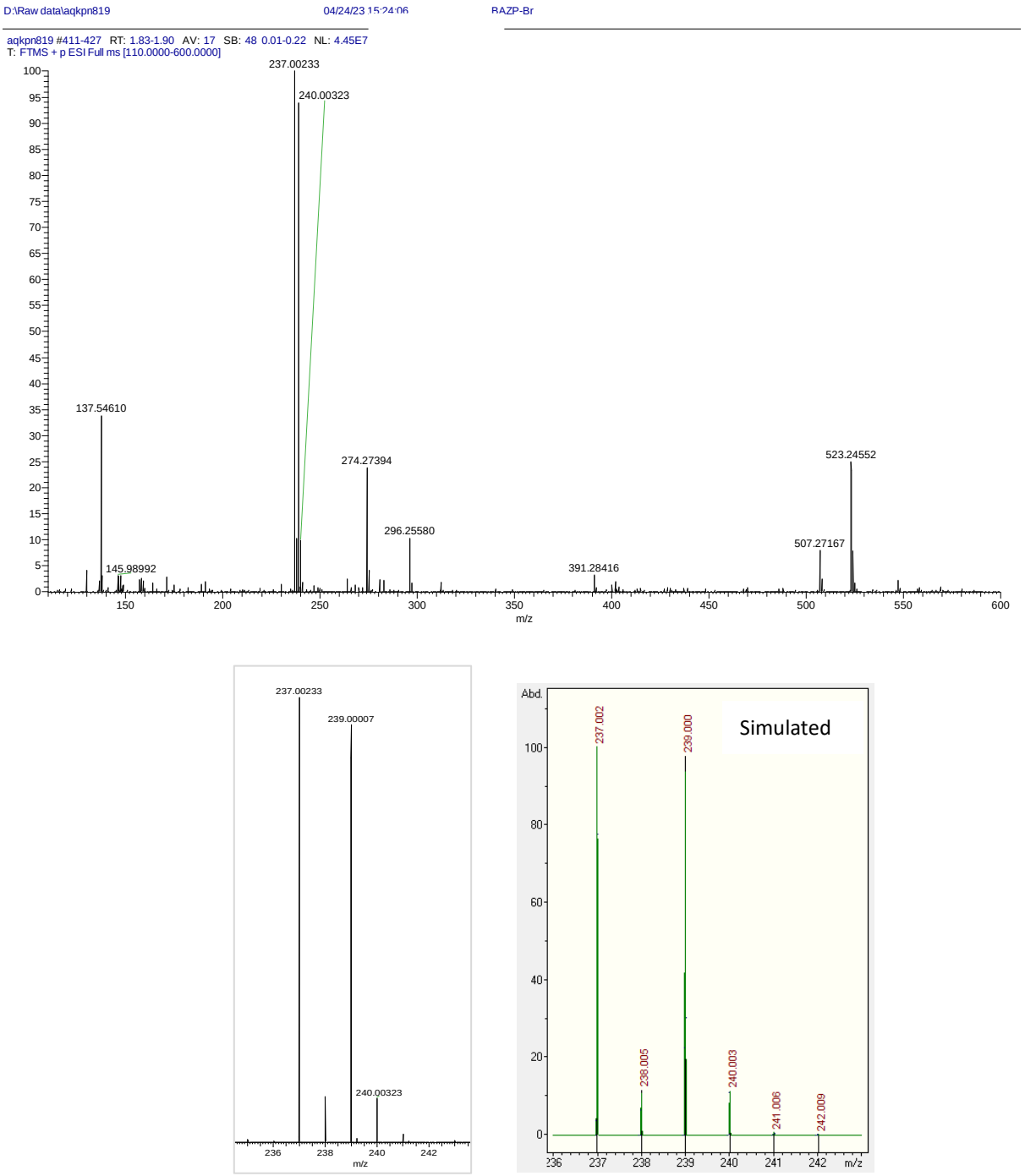

Figure S11. ESI mass spectrum of **7**. The experimental and simulated isotopic pattens of the molecule ion signal are given in the lower part.

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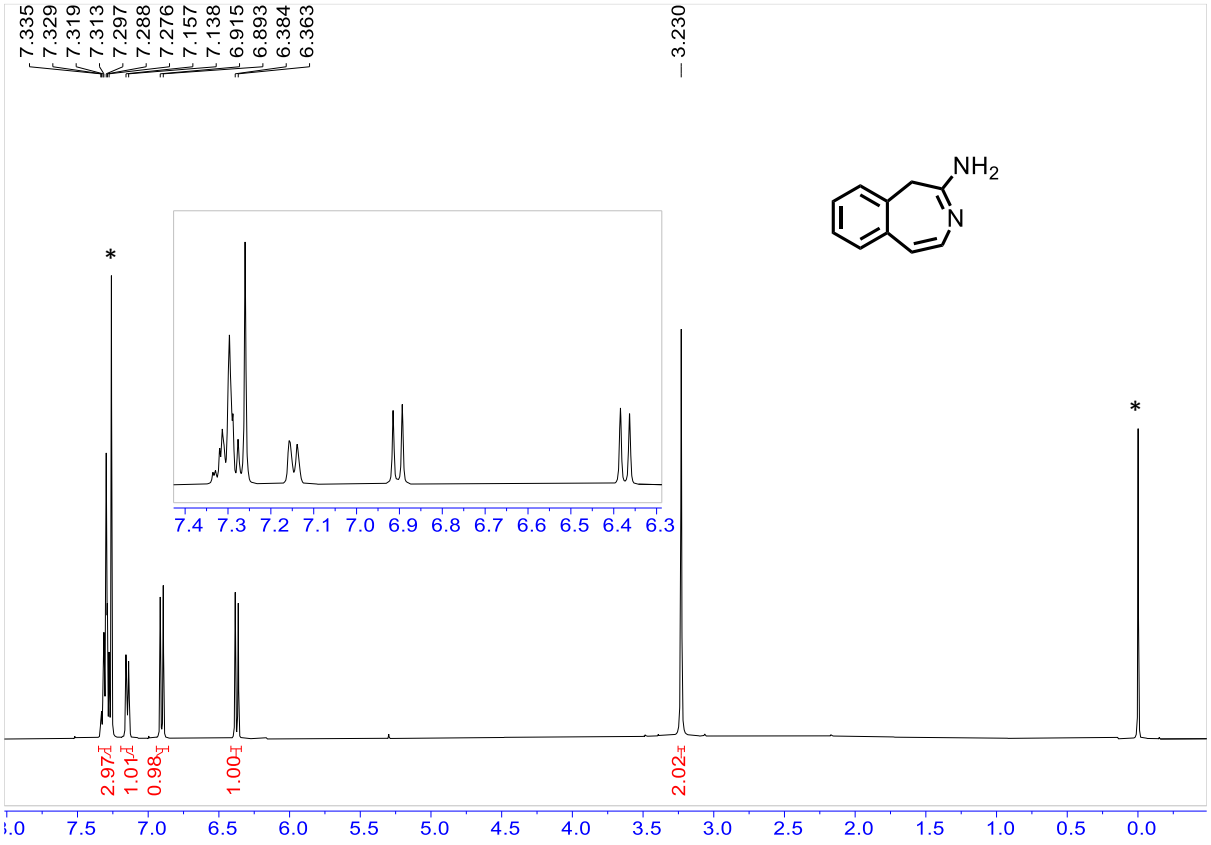

Figure S12. ^{1}H NMR spectrum of **5** in $CDCl_3$ (400 MHz). The signals due to the residual non-deuterated solvent and $SiMe_4$ are marked with an asterisk.

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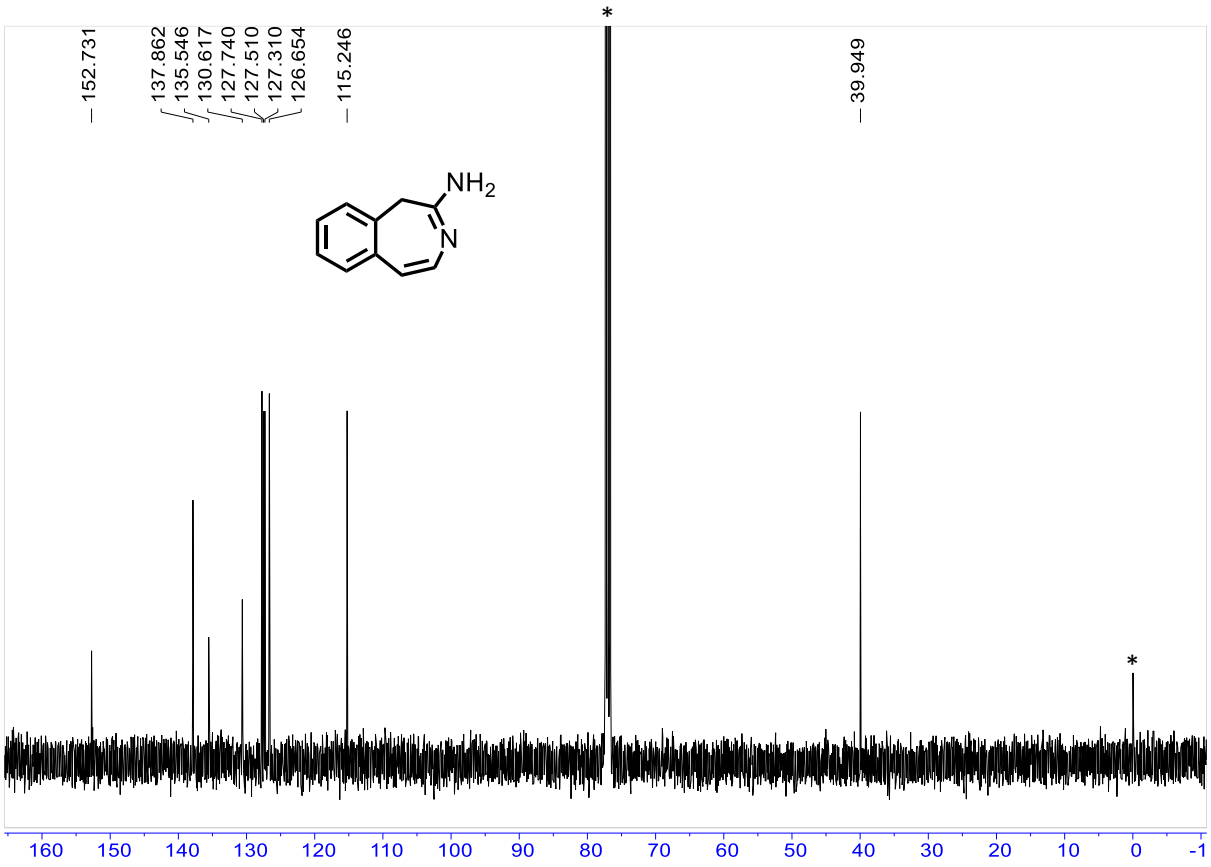

Figure S13. $^{13}C\{^{1}H\}$ NMR spectrum of **5** in $CDCl_3$ (100.6 MHz). The signals due to the solvent and $SiMe_4$ are marked with an asterisk.

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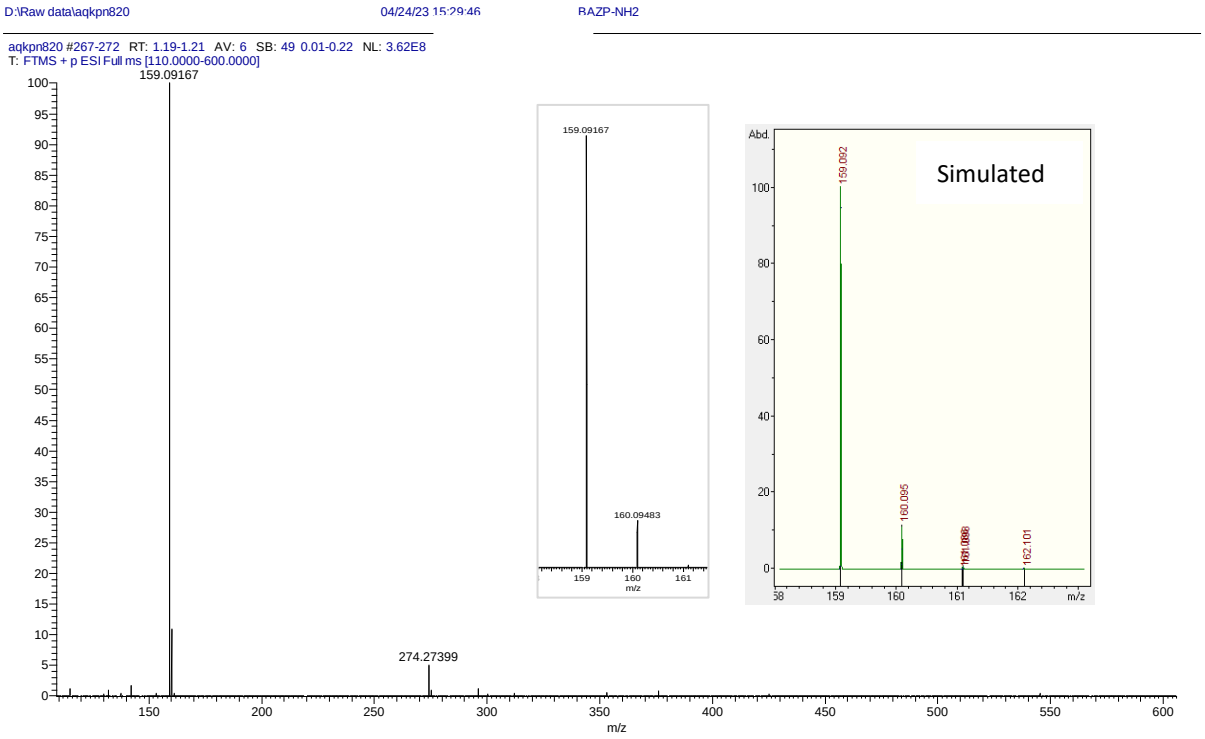

Figure S14. ESI mass spectrum of **5**. The experimental and simulated isotopic pattens of the molecule ion signal are given in the inset.

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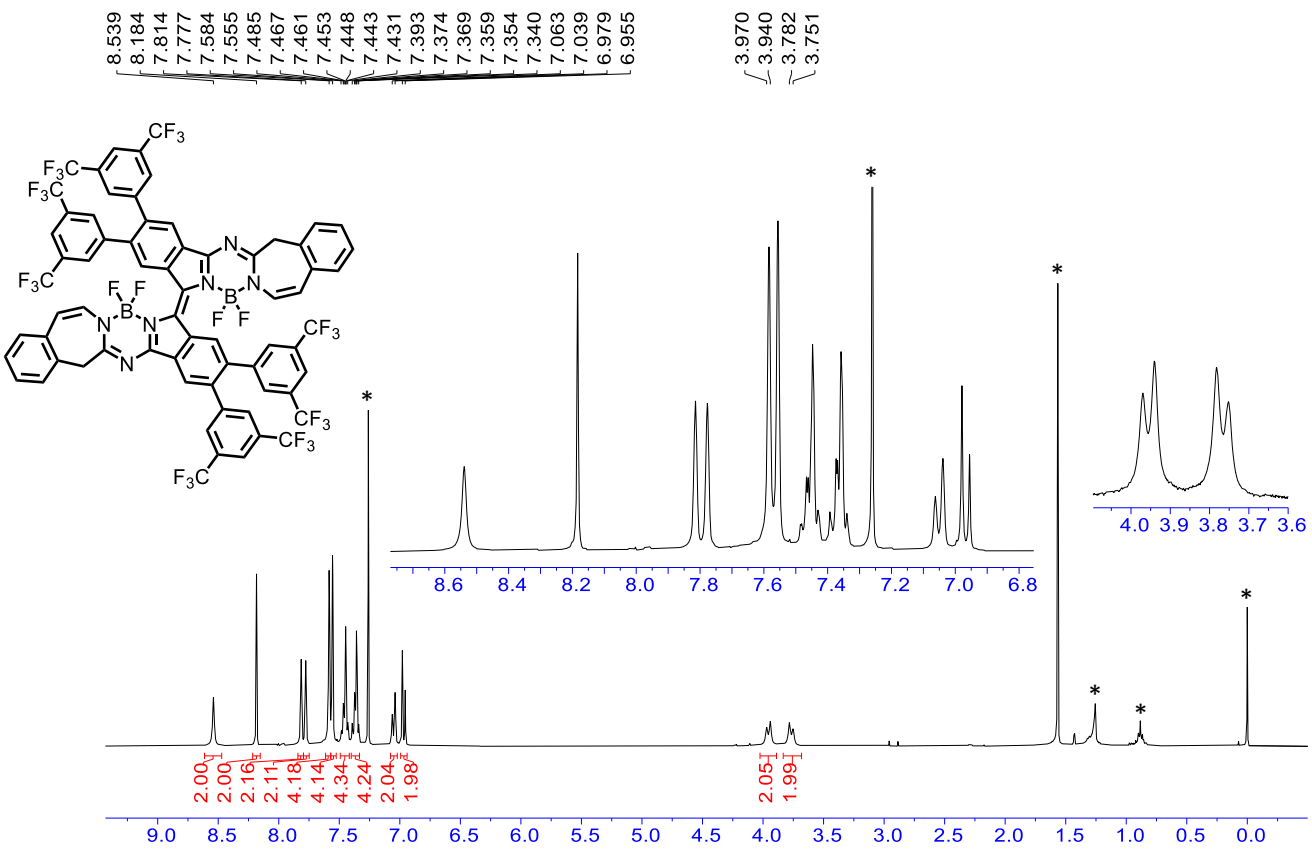

Figure S15. ^{1}H NMR spectrum of **9** in $CDCl_3$ (400 MHz). The signals due to the residual non-deuterated solvent, residual water, residual hexane used for chromatography, and $SiMe_4$ are marked with an asterisk.

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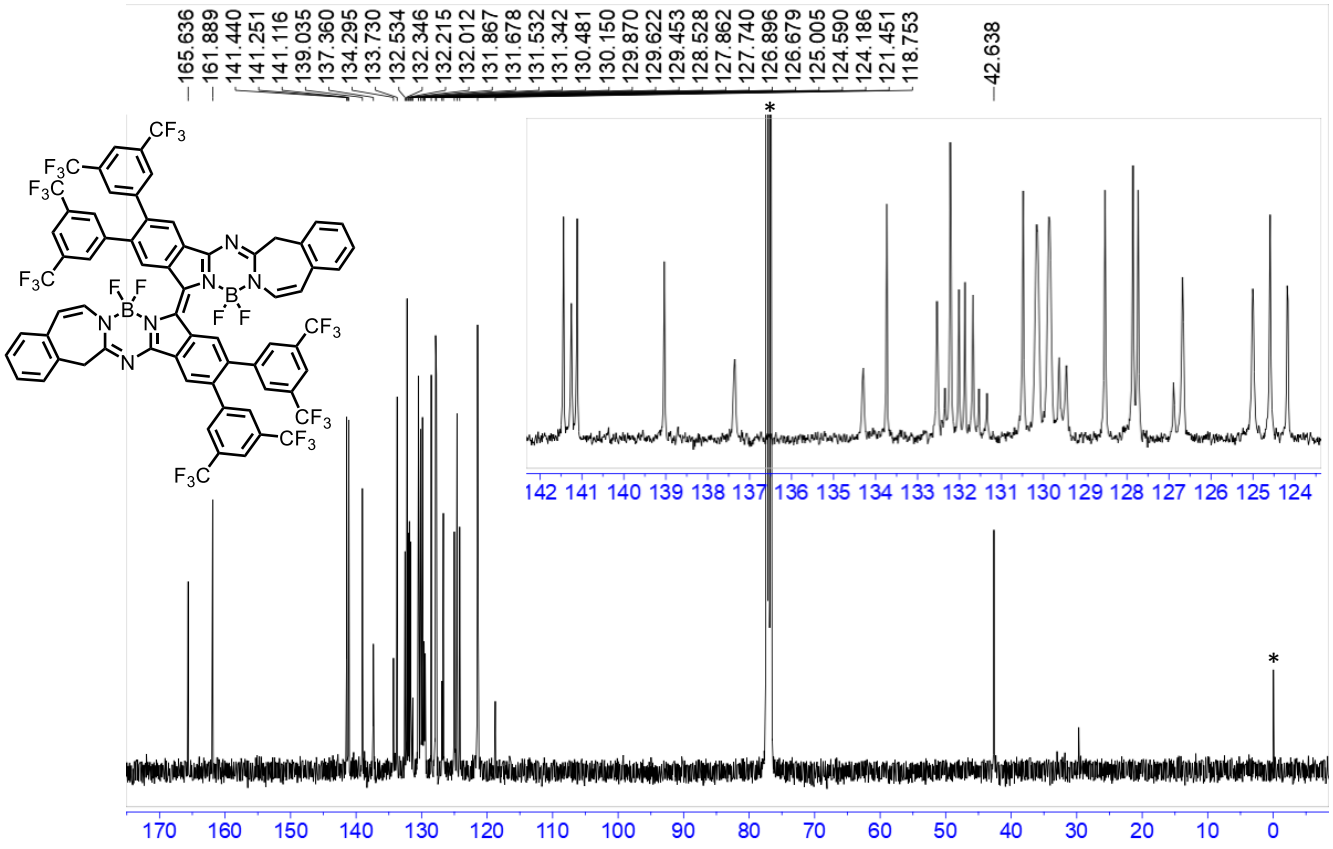

Figure S16. $^{13}C\{^{1}H\}$ NMR spectrum of **9** in $CDCl_3$ (100.6 MHz). The signals due to the solvent and $SiMe_4$ are marked with an asterisk.

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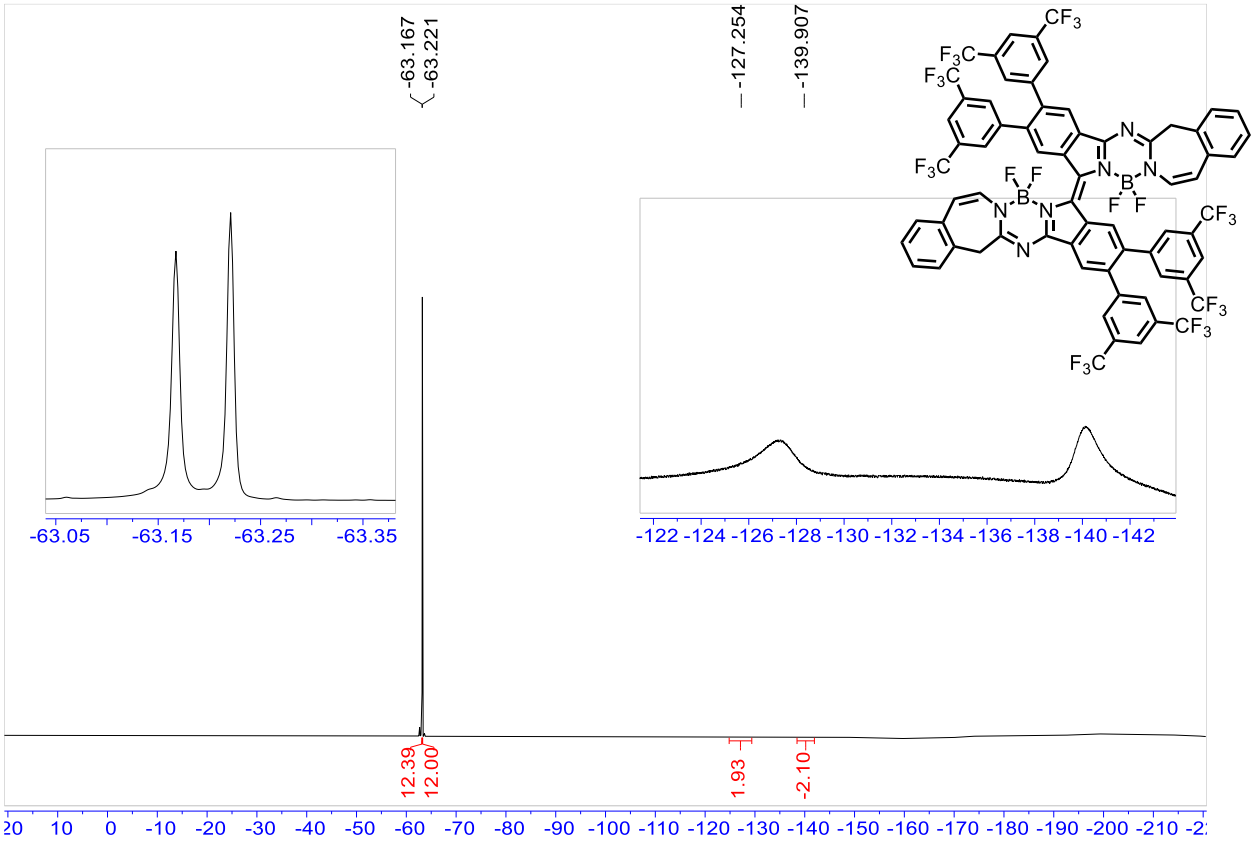

Figure S17. $^{19}F\{^{1}H\}$ NMR spectrum of **9** in $CDCl_3$ (470.4 MHz).

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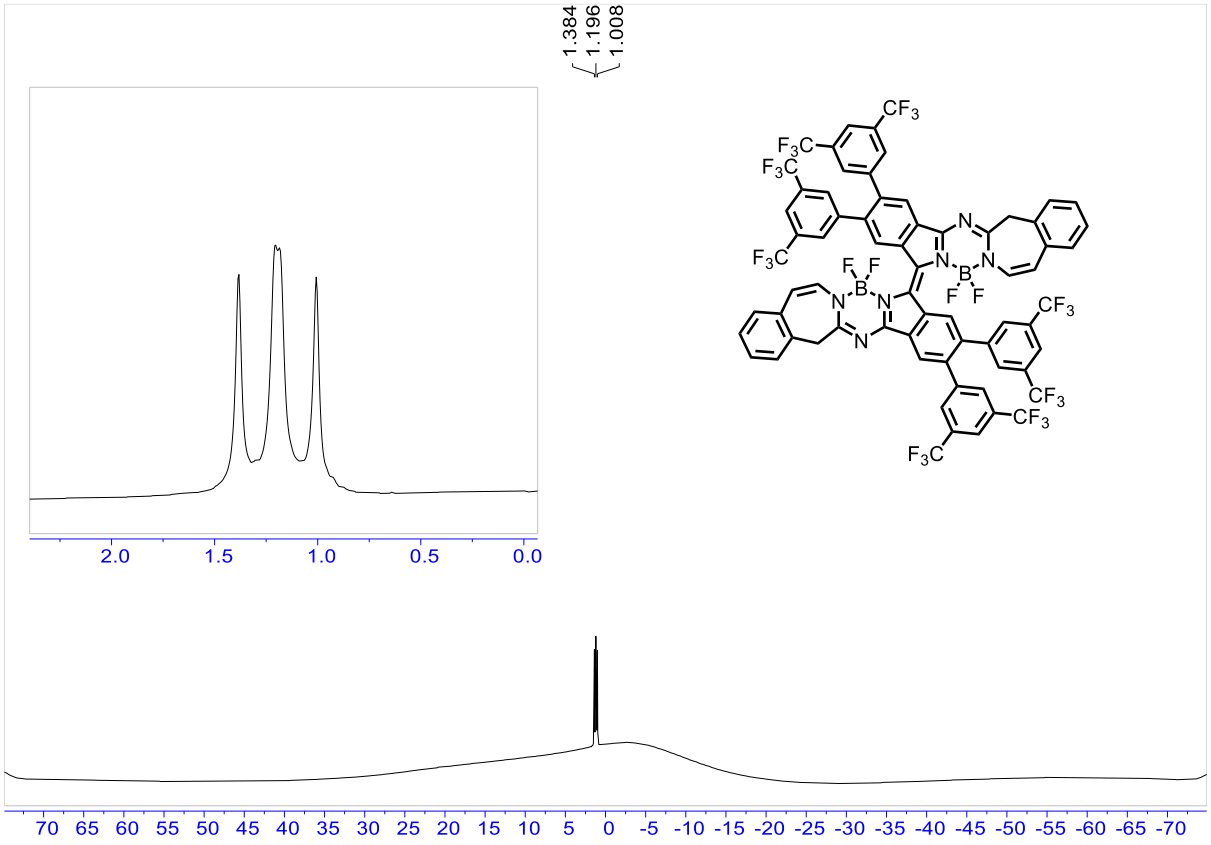

Figure S18. $^{11}B\{^{1}H\}$ NMR spectrum of **9** in $CDCl_3$ (128.4 MHz).

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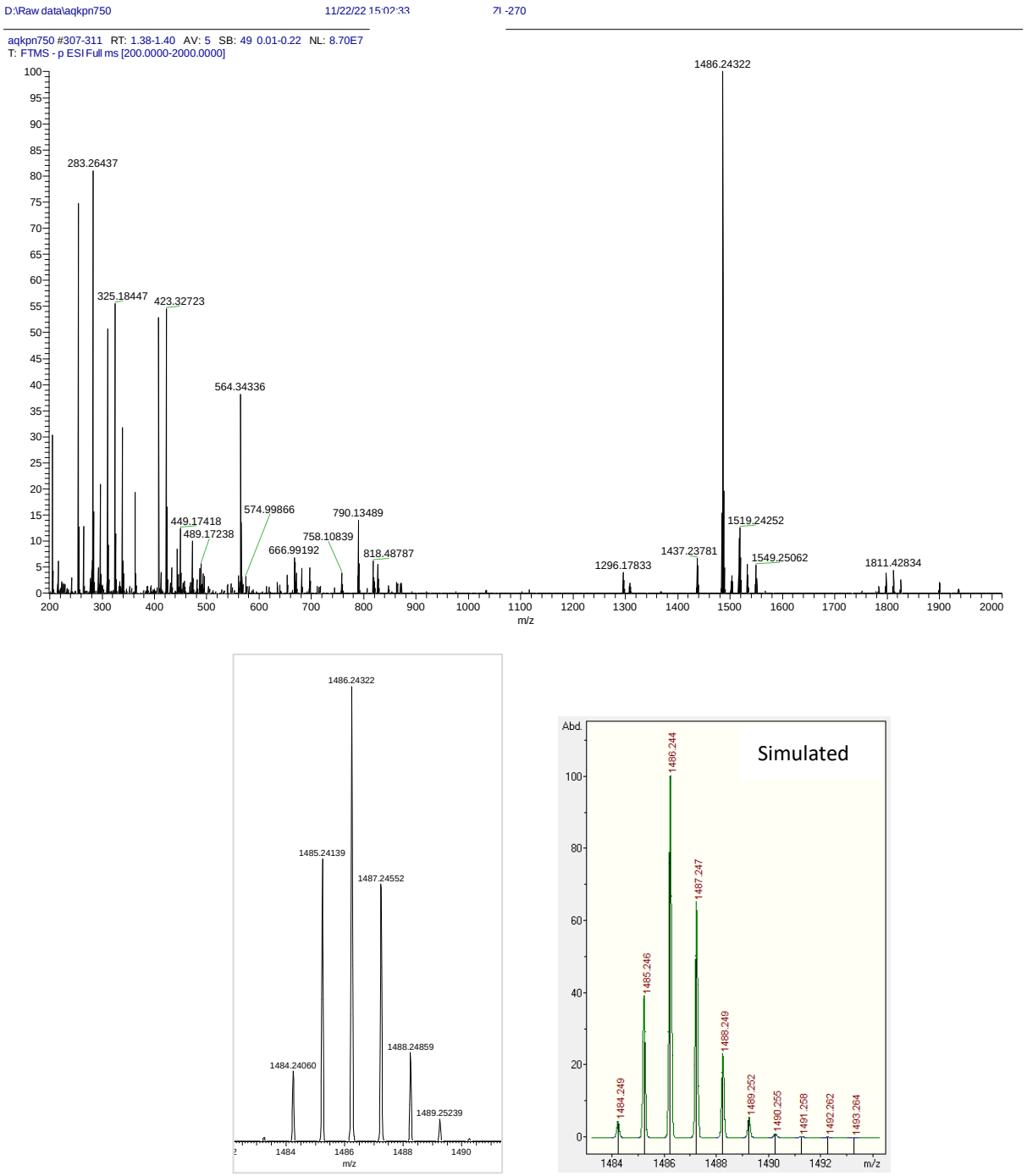

Figure S19. ESI mass spectrum of **9**. The experimental and simulated isotopic pattens of the molecule ion signal are given in the lower part.

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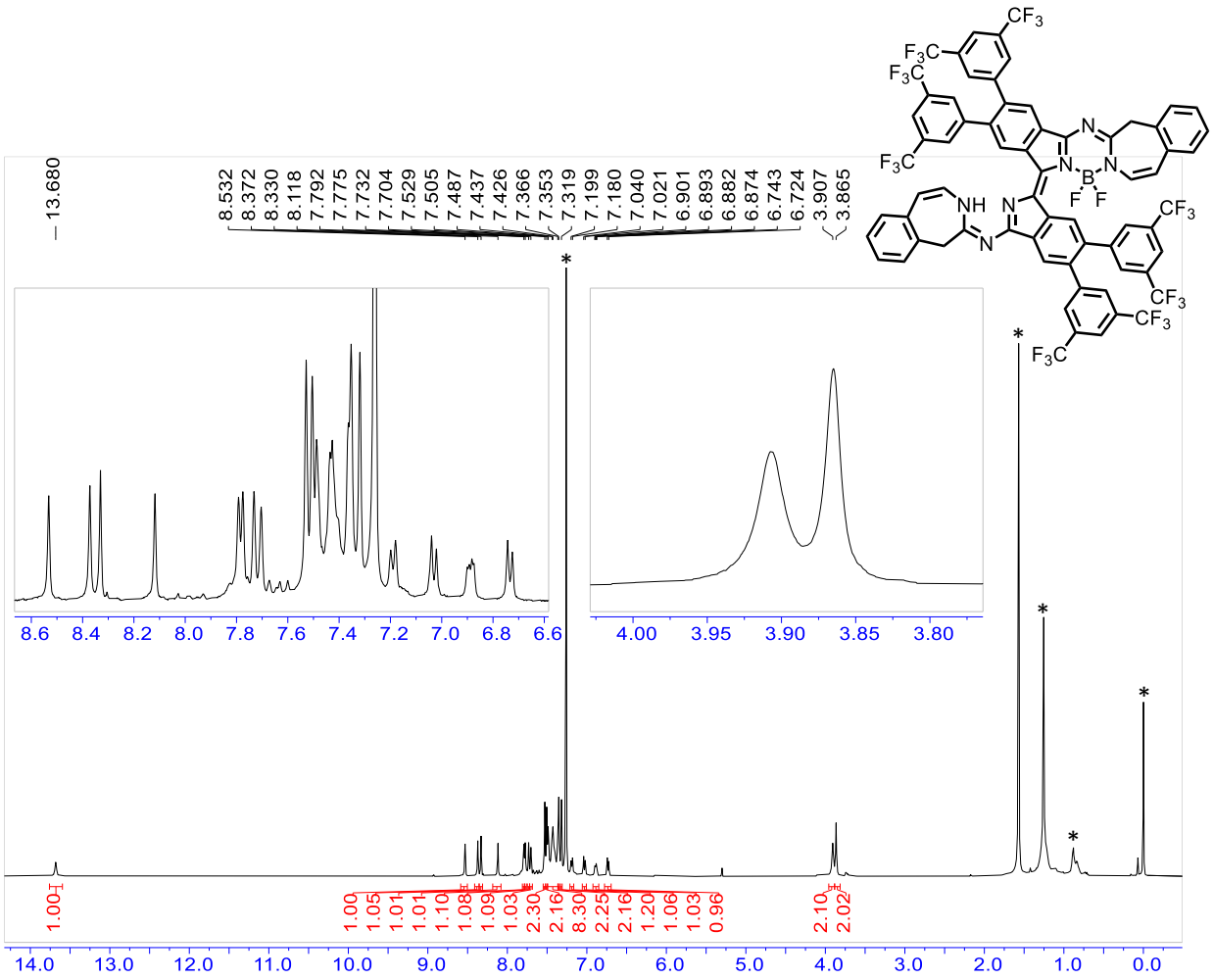

Figure S20. ^{1}H NMR spectrum of **11** in $CDCl_3$ (400 MHz). The signals due to the residual non-deuterated solvent, residual water, residual hexane used for chromatography, and $SiMe_4$ are marked with an asterisk.

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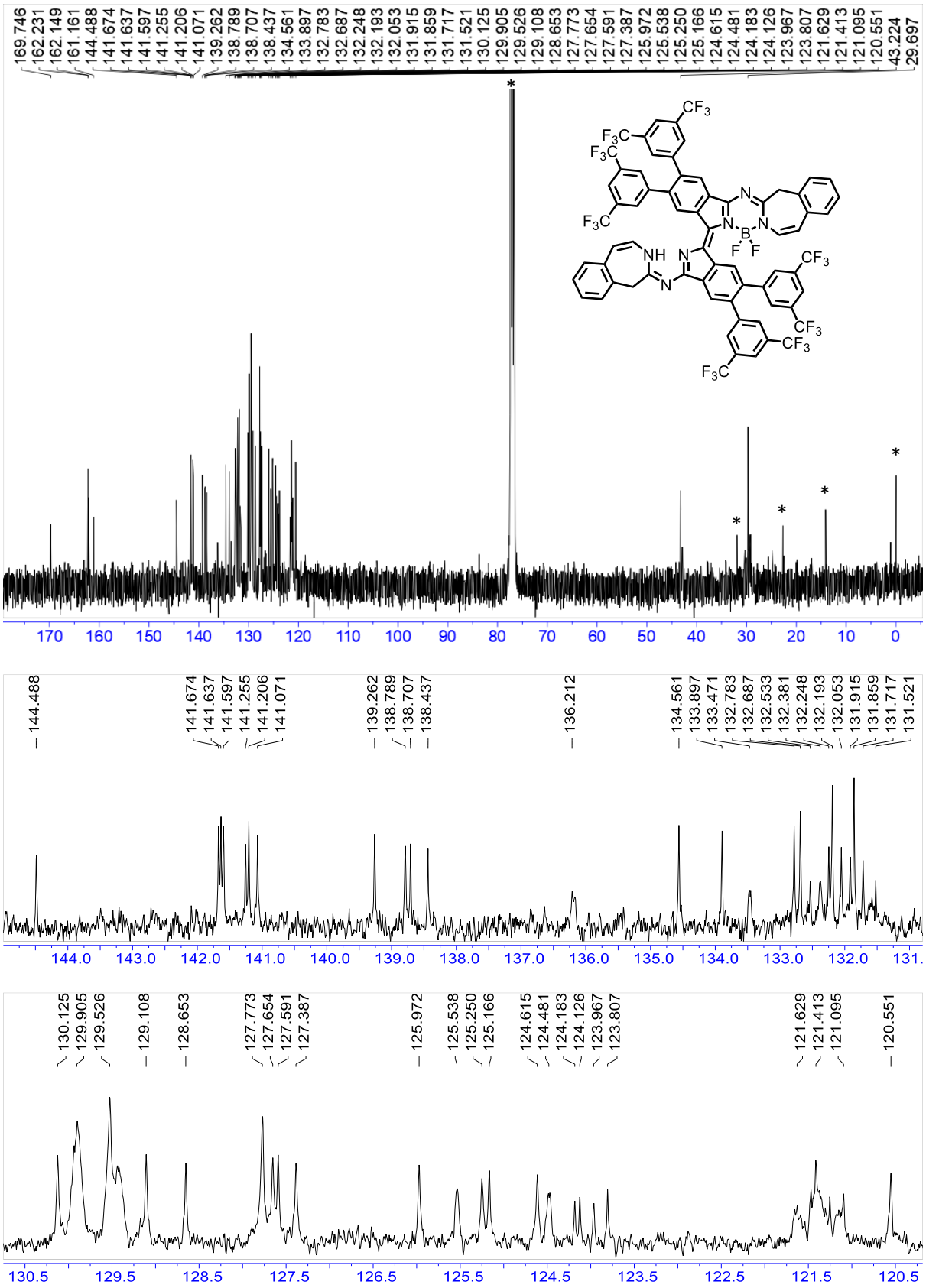

Figure S21. $^{13}C\{^{1}H\}$ NMR spectrum of **11** in $CDCl_3$ (100.6 MHz). The signals due to the solvent, residual hexane used for chromatography, and $SiMe_4$ are marked with an asterisk.

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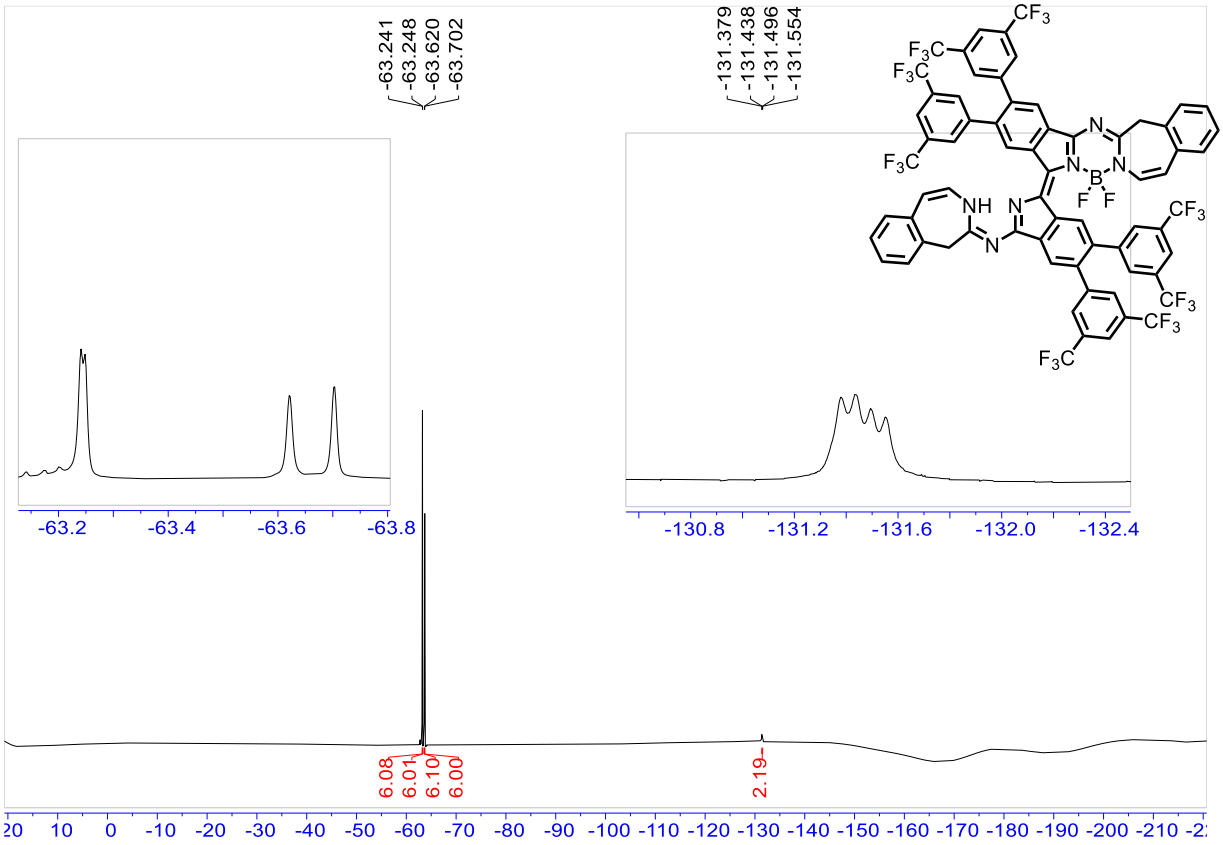

Figure S22. $^{19}F\{^{1}H\}$ NMR spectrum of **11** in $CDCl_3$ (470.4 MHz).

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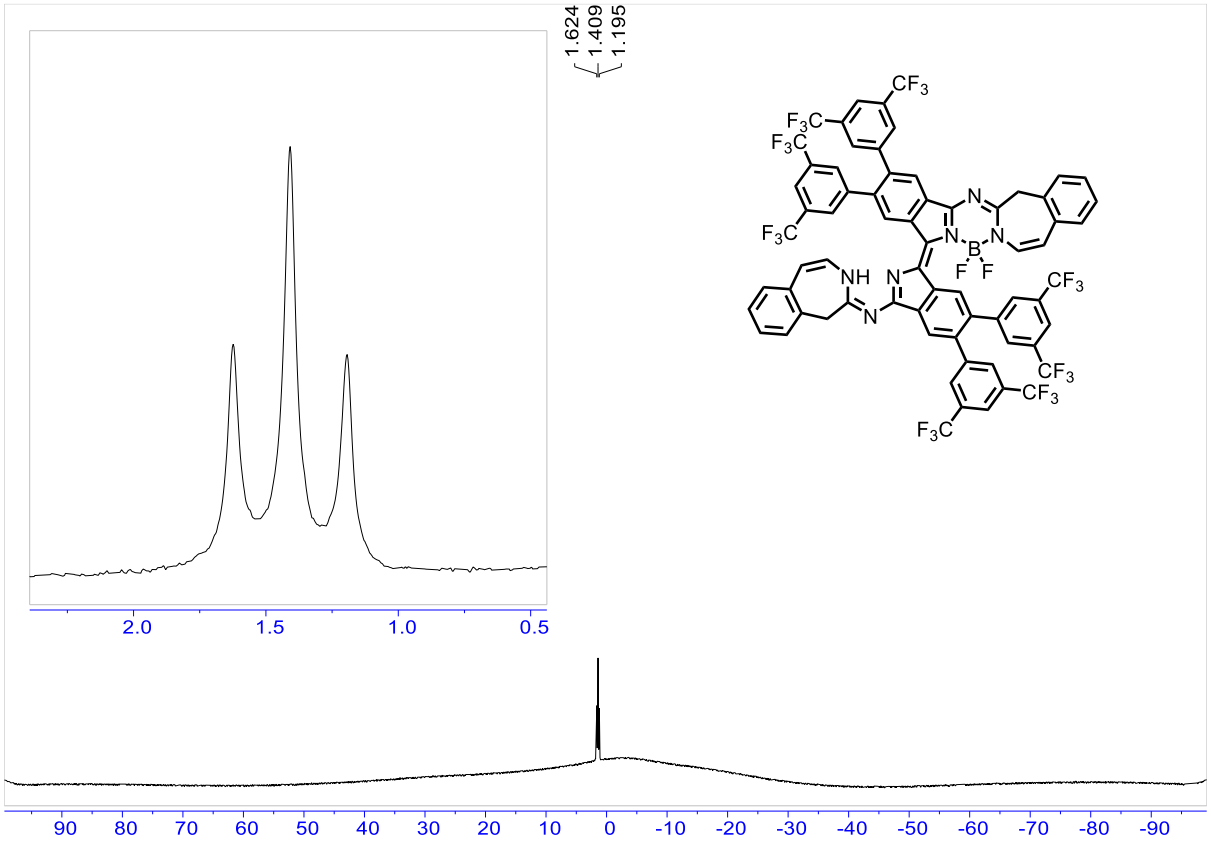

Figure S23. $^{11}B\{^{1}H\}$ NMR spectrum of **11** in $CDCl_3$ (128.4 MHz).

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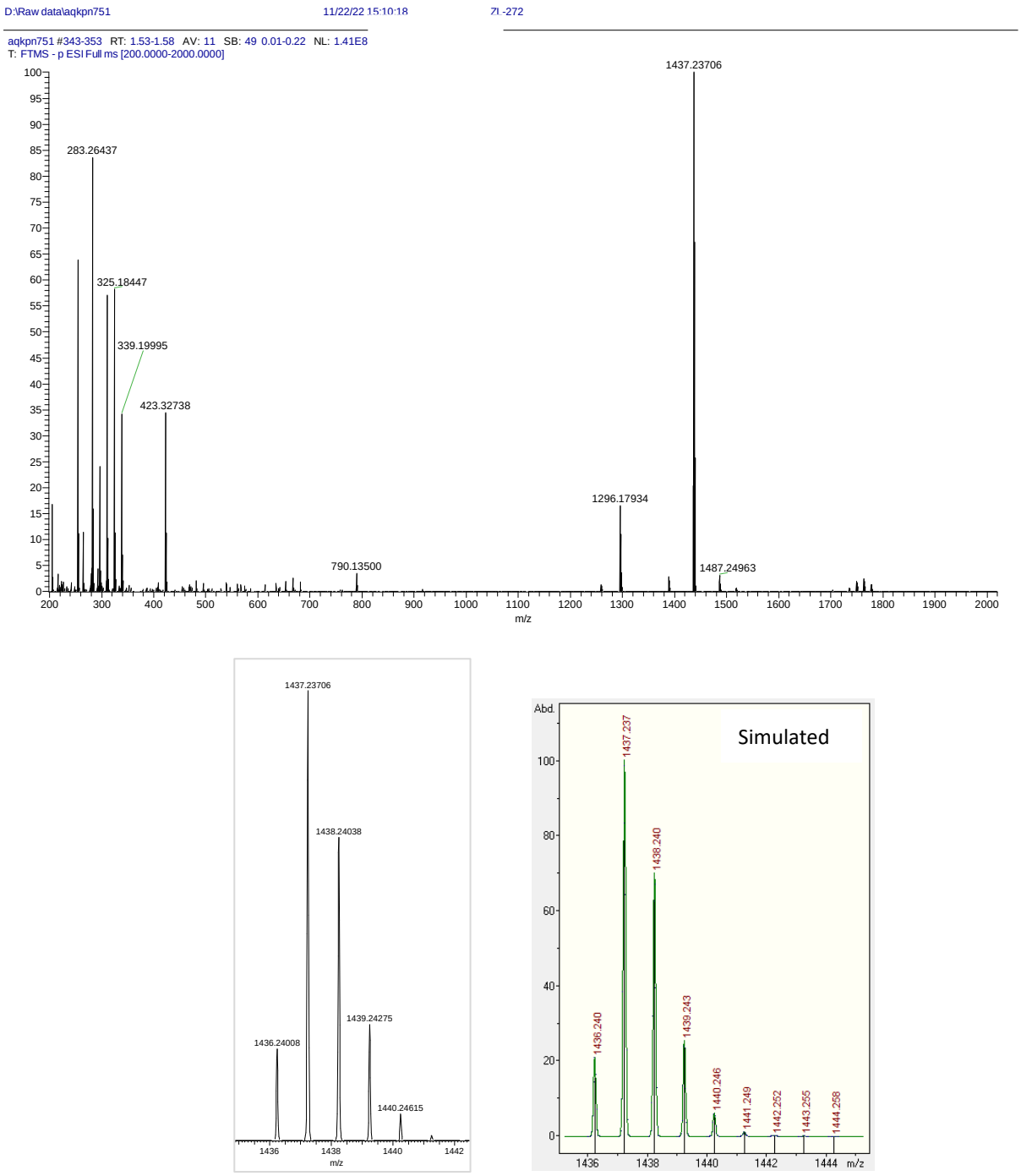

Figure S24. ESI mass spectrum of **11**. The experimental and simulated isotopic pattens of the molecule ion signal are given in the lower part.

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